

HOXD12 cDNA

Catalog Number: ATGD0364

PRODUCT INFORMATION

Catalog number

ATGD0364

Product type

cDNA

Species

Human

NCBI Accession No.

NP_067016.3

Alternative Names

HOX4H

mRNA Refseq

NM_021193.3

OMIM

142988

Chromosome location

2q31.1

PRODUCT SPECIFICATION

Formulation

Lyophilized

Storage

Store the plasmid at -20C.

cDNA Size

813bp

Preparation before usage

1. Centrifuge at 7000rpm for 1 minute.
 2. Carefully open the vial and add 100ul of sterile water to dissolve the DNA.
- Each tube contains approximately 10ug of lyophilized plasmid.

Vector description

This shuttle vector contains the complete ORF. It is inseted BamH I to Xho I. The gene insert contains multiple cloning sites which can be used to easily cut and transfer the gene and recombination site into your expression vector.

Cloning Vector

pATGen (puc19-derived cloning vector)

General Description

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HoxD12 (homeobox D12), also known as HOX4H, is a 275 amino acid protein that localizes to the nucleus and contains one homeobox DNA-binding domain. One of several members of the homeobox superfamily, HoxD12 functions as a sequence specific transcription factor that is important for the correct positioning of developing limb buds on the anterior-posterior axis.

DATA

Sequence nucleotides

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ATGTGTGAGCGCAGTCTCTACAGAGCGGGCTATGTGGGCTCGCTTCTGAATCTGCAGTCGCCAGACTCTTTCTACTTCTCCA  
ACCTGAGGCCGAATGGCGGCCAGTTGGCCGCGCTTCCCCCTATCTCCTACCCGCGCGGGCGCGCTGCCCTGGGCGGCCACG  
CCCGCCTCCTGCGCCCCCGCGCAGCCTGCGGGCGCCACTGCCTTCGGCGGCTTCTCGCAGCCCTACCTGGCTGGCTCCGG  
GCCTCTCGGCCTGCAGCCCCCAACAGCCAAAGACGGACCCGAAGAGCAGGCTAAGTTCTATGCGCCCGAAGCGGCCGCTG  
GGCCAGAGGAGCGCGGTCTGTACCCGGCCGTCTTCGCCCCCGAGTCTAGCCTGGCTCCTGCAGTGGCTGCTCTCAAAGCG  
GCCAAGTATGACTACGCTGGTGTGGGTCTGTGCCACGCCGGGCTCCACGACCCTGCTCCAGGGGGCTCCCTGCGCCCCTGG  
CTTCAAGGACGACACCAAGGGCCCGCTCAACTTGAACATGACAGTGCAGGCGGGCGGGCGTTGCCTCTTGCCTGCGACCTTC  
ACTGCCCCGACGGCCTGCCGTGGGGGGCGGCCCGGGGAGGGCCCCGCAAGAAGCGGAAACCCTACACGAAGCAGCAGATT  
GCGGAGTTGGAGAACGAATTCCTCGTCAACGAATTCATCAACAGGCAGAAACGCAAGGAATTGTCCAATAGGCTGAACCTC  
AGCGACCAGCAAGTCAAATCTGGTTCCAGAACAGGCGTATGAAGAAGAAGCGCGTGGTGCTTCGGGAGCAGGCGCTGGC  
GCTCTACTAG
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Transaction Sequence

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MCERSLYRAG YVGSLLNLQS PDSFYFSNLR PNGGQLAALP PISYPRGALP WAATPASCAP AQPAGATAFG GFSQPYLAGS  
GPLGLQPPTA KDGPEEQAKF YAPEAAAGPE ERGRTRPSFA PESSLAPAVA ALKAAKYDYA GVGRATPGST TLLQGAPCAP  
GFKDDTKGPL NLNMTVQAAG VASCLRPSLP DGLPWGAAPG RARKKRKPYT KQIAELENE FLVNEFINRQ KRKELSNRLN  
LSDQQVKIWF QNRRMKKKRV VLREQALALY
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